1 **1. (canceled)**

1 **2. (canceled)**

1 **3. (canceled)**

1 **4. (canceled)**

1 **5. (canceled)**

1 **6. (canceled)**

1 **7. (canceled)**

1 **8. (canceled)**

1 **9. (canceled)**

1 **10. (canceled)**

1 **11. (canceled)**

1 **12. (canceled)**

1 **13. (canceled)**

1 **14. (canceled)**

1 **15. (canceled)**

1 **16. (canceled)**

17. (previously presented) A method of making lugs for joints in a bicycle frame made of carbon fiber tubes,

the method comprising the steps of:

making a lay-up of at least carbon fibers and a matrix material around the joint,

applying a mold to the tubes and laid-up fibers and matrix material, and

curing the lug in the mold, the cure including expansion of an element located between the mold and the tubes.

18. (currently amended) The method set forth in claim 17 wherein:

the mold is a captured silicon mold; and

in the step of curing the lug in the mold, the element is the captured silicon.

19. (previously presented) The method set forth in claim 17 wherein:

the step of making the lay-up includes the step of including a layer of expanding foam in the lay-up; and

in the step of curing the lug in the mold, the element is the expanding foam.

20. (original) The method set forth in claim 17 wherein:

the step of making a lay-up includes the steps of:

wrapping each tube in the joint with a first carbon fiber fabric that is impregnated with the matrix material, the ends of the fabric extending beyond the tube;

wrapping the ends of the carbon fiber fabric that is wrapped around a given tube around the tube the given tube joins to;

wrapping the entire joint in a second carbon fiber fabric whose fibers have an orientation different from that of the fibers in the first carbon fiber fabric.

21. (original) The method set forth in claim 20 wherein:

the step of making a lay-up further includes the step of:

including a layer of expanding foam in the lay-up.

22. (original) The method set forth in claim 21 wherein:

the step of including a layer of expanding foam is performed before the step of wrapping the entire joint in a second carbon fiber fabric.

23. (original) The method set forth in claim 20 wherein:

the step of wrapping the entire joint is done such that all seams in the second carbon fiber fabric are at the top and bottom of the tubes and the second carbon fiber fabric is overlapped at the seams.